

MISSOURI DEPARTMENT OF TRANSPORTATION JOB OPPORTUNITY ANNOUNCEMENT

Date Posted: 08/26/2020
Application Deadline: 10/31/2020
Job Post ID: 12996
Job Title: Materials Inspector / Intermediate Materials Inspector / Senior Materials Inspector
Min Monthly Salary: \$3,486.00 / \$3,875.00 / \$4,335.00
Number Positions: 2
Location: Poplar Bluff and Sikeston
District/Division: Southeast / Construction and Materials Division
Human Resources Contact Number: 573-472-5337

Notice: Deadline to apply for this position is at 11:55 p.m. the night of closing.

Remote work location and/or teleworking is not available for this position.

General Summary:

--- Materials Inspector ---

The materials inspector samples and tests general construction and maintenance materials to ensure that materials and products used in state highway construction and maintenance activities comply with specifications. Responsibilities are performed under moderate supervision.

--- Intermediate Materials Inspector ---

The intermediate materials inspector performs inspection, sampling, and testing of materials used in state highway construction and maintenance to ensure that materials supplied by contractors and producers meet standards and comply with specifications. Responsibilities are performed under moderate supervision.

--- Senior Materials Inspector ---

The senior materials inspector supervises or performs inspection, sampling and testing of materials used in state highway construction and maintenance to ensure that materials supplied by contractors and producers comply with specifications, standards, and/or contract provisions. Responsibilities are performed under general supervision.

Minimum/Required Qualifications:

--- Materials Inspector ---

Bachelor's Degree: Civil Engineering or Geological Engineering

Certification to operate nuclear gauges may be required.

Successful completion of a work simulation examination and a medical-physical examination.

--- Intermediate Materials Inspector ---

Bachelor's Degree: Civil Engineering or Geological Engineering

Certification to operate nuclear gauges may be required.

Two years of experience in highway or transportation engineering.

Successful completion of a work simulation examination and a medical-physical examination.

--- Senior Materials Inspector ---

Bachelor's Degree: Civil Engineering or Geological Engineering

Certification to operate nuclear gauges may be required.

Four years of experience in highway or transportation engineering.

Successful completion of a work simulation examination and a medical-physical examination.

Supervisory Responsibilities:

--- Materials Inspector ---

None

--- Intermediate Materials Inspector ---

Lead Worker Only

--- Senior Materials Inspector ---

Lead Worker Only

Special Working Conditions/Job Characteristics:

--- Materials Inspector ---

Job requires moderate physical activity.

Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Job may require operation of vehicles to plow snow and spread ice control materials.

--- Intermediate Materials Inspector ---

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Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Job may require operation of vehicles to plow snow and spread ice control materials.

--- Senior Materials Inspector ---

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Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work:

--- Materials Inspector ---

- Samples and tests general construction materials such as steel, pipe, paint, asphalt, and cement to determine if materials conform to specifications and approves/rejects material for intended use.
- Samples and tests fine and course aggregate production for quality and gradation specification compliance at quarries supplying materials for department projects and approves/rejects material.
- Prepares samples for bituminous trial mixes; coordinates with contractor on trial mix information.
- May perform duties of inspector in charge at plants producing bituminous mixtures to determine if the material produced conforms to specifications and approves or rejects the material.
- May perform inspections of prestressed or precast concrete and special sampling and testing of materials required on federal aid projects.
- May maintain records of test results, production records, and reports of general materials and aggregates approved for each project or for maintenance use.
- Performs other responsibilities as required or assigned.

--- Intermediate Materials Inspector ---

- Samples and tests general construction materials such as steel, pipe, paint, asphalt, signal and lighting materials, guard rail, bridge bearings, cement, and prestressed and precast concrete; determines if materials conform to specifications and approves/rejects material for intended use.
- Performs or provides technical supervision of sampling and testing of all types of aggregates and bases for quality and gradation; determines if materials conform to specifications and approves/rejects materials for intended use.

- Performs inspections or provides technical supervision of inspections at bituminous plants and determines if the material produced conforms to specifications; approves or rejects the use of the material.
- Reviews, processes, and reports contractor's proposed concrete and asphalt mix designs and quality control plans by checking computations and adherence to department specifications.
- Calibrates portland cement concrete and bituminous mix equipment.
- Performs inspections of prestressed or precast concrete and special sampling and testing of materials required on federal aid projects.
- Reviews or supervises the review of manufacturer's and supplier's quality control procedures and the sampling of products to ensure compliance with the department's pre-acceptance list requirements.
- Sets up contracts in site manager; prepares records and reports of materials inspected and maintains records of test results, production records and reports of general materials and aggregates approved for each project or for maintenance use; records summaries of materials used on each project.
- Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- Performs other responsibilities as required or assigned.

--- Senior Materials Inspector ---

- Performs or provides technical supervision of inspection, sampling and testing of general materials such as steel, pipe, paint, asphalt, guard rail, bridge bearings, cement, and prestressed and precast concrete; determines if materials conform to specifications and approves/rejects materials for intended use.
- Performs or provides technical supervision of sampling and testing programs required on federal aid projects.
- Reviews, processes, and reports contractor's proposed concrete and asphalt mix designs and quality control plans by checking computations and adherence to department specifications.
- May perform or provide technical supervision of inspections at plants producing bituminous mixtures, determines if the material produced conforms to specifications, and approves or rejects the bituminous material.
- Conducts and/or observes sampling and testing of aggregates and bases at various sites including quarries, sand plants, concrete and asphalt plants, and on department jobsites.
- Sets up contracts in site manager; prepares and maintains records of test results, production records and reports of general materials and aggregates inspected and approved for each project or for maintenance use; records summaries of materials used on each project.
- Performs or provides technical supervision of the review of manufacturer's and supplier's quality control procedures and the sampling of products to ensure compliance with the department's pre-acceptance list requirements.
- Serves as a resource for contractors, suppliers, producers, consultants, and other department employees in the interpretation and application of standard plans, project plans, shop drawings, contract proposals, standard specifications, testing methods, and materials and construction manuals.
- Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- Performs other responsibilities as required or assigned.

In order to be considered for this vacancy please go to the Missouri Department of Transportation [Employment Application System \(EAS\)](#) and submit an on-line application. Applications, and if applicable transcripts, must be received by no later than 11:55 pm of the closing date listed on the advertised vacancy.

MoDOT is primarily conducting telephone interviews due to social distancing requirements at this time. For applicants being interviewed who are hearing or speech impaired and need assistance, we will coordinate with the Missouri Relay System.

Equal Employment Opportunity / Affirmative Action Employer, M/F/D/V

MoDOT does not hire individuals with F-1 OPT visas into full-time or permanent part-time positions and MoDOT does not sponsor applicants for work visas.